

=====

Sequence Listing was accepted.

If you need help call the Patent Electronic Business Center at (866)  
217-9197 (toll free).

Reviewer: Durreshwar Anjum

Timestamp: [year=2010; month=2; day=5; hr=12; min=7; sec=2; ms=945; ]

=====

Application No: 10509249

Version No: 7.0

**Input Set:****Output Set:****Started:** 2010-01-26 14:40:39.441**Finished:** 2010-01-26 14:40:39.665**Elapsed:** 0 hr(s) 0 min(s) 0 sec(s) 224 ms**Total Warnings:** 29**Total Errors:** 0**No. of SeqIDs Defined:** 29**Actual SeqID Count:** 29

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (1)
W 213	Artificial or Unknown found in <213> in SEQ ID (2)
W 213	Artificial or Unknown found in <213> in SEQ ID (3)
W 213	Artificial or Unknown found in <213> in SEQ ID (4)
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (6)
W 213	Artificial or Unknown found in <213> in SEQ ID (7)
W 213	Artificial or Unknown found in <213> in SEQ ID (8)
W 213	Artificial or Unknown found in <213> in SEQ ID (9)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
W 213	Artificial or Unknown found in <213> in SEQ ID (11)
W 213	Artificial or Unknown found in <213> in SEQ ID (12)
W 213	Artificial or Unknown found in <213> in SEQ ID (13)
W 213	Artificial or Unknown found in <213> in SEQ ID (14)
W 213	Artificial or Unknown found in <213> in SEQ ID (15)
W 213	Artificial or Unknown found in <213> in SEQ ID (16)
W 213	Artificial or Unknown found in <213> in SEQ ID (17)
W 213	Artificial or Unknown found in <213> in SEQ ID (18)
W 213	Artificial or Unknown found in <213> in SEQ ID (19)
W 213	Artificial or Unknown found in <213> in SEQ ID (20)

**Input Set:**

**Output Set:**

**Started:** 2010-01-26 14:40:39.441  
**Finished:** 2010-01-26 14:40:39.665  
**Elapsed:** 0 hr(s) 0 min(s) 0 sec(s) 224 ms  
**Total Warnings:** 29  
**Total Errors:** 0  
**No. of SeqIDs Defined:** 29  
**Actual SeqID Count:** 29

Error code

Error Description

This error has occurred more than 20 times, will not be displayed

# SEQUENCE LISTING

<110> Japan Science and Technology Corporation

<120> Antibodies presented protein hollow nano-particles for therapeutic drug and protein hollow nano-particles

<130> P023P03

<140> 10509249

<141> 2004-09-28

<150> PCT/JP2003/003694

<151> 2003-03-26

<150> JP 2002-097424

<151> 2002-03-29

<150> JP 2003-045088

<151> 2003-02-21

<160> 29

<170> PatentIn Ver. 2.1

<210> 1

<211> 39

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially synthesized sequence

<400> 1

cgacaaggca tgggaggcgg ccgcagccct caggctcag

39

<210> 2

<211> 39

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially synthesized sequence

<400> 2

ctgagcctga gggctgcggc cgctcccat gccttgctg

39

<210> 3

<211> 36

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
synthesized sequence

<400> 3

ggggacctcg gatccgag cttaccagtt ctcaca

36

<210> 4

<211> 36

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
synthesized sequence

<400> 4

gaggtcgacc agctttaacg aacgcagaat tttcga

36

<210> 5

<211> 33

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
synthesized sequence

<400> 5

ggccgctgga gccacccgca gttcgaaaaa ggc

33

<210> 6

<211> 33

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
synthesized sequence

<400> 6

ggcgccttt ttcgaactgc ggggtggctcc agc

33

<210> 7

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
synthesized sequence

<400> 7

gggtaccat gagatctttg ttgatcttg

29

<210> 8  
 <211> 28  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Description of Artificial Sequence:Artificially  
       synthesized sequence  
  
 <400> 8  
 ggccgcggtt aaatgtatac ccaaagac 28  
  
  
 <210> 9  
 <211> 36  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Description of Artificial Sequence:Artificially  
       synthesized sequence  
  
 <400> 9  
 gggggcggcc gcgcgcaaca cgatgaagcc gtagac 36  
  
  
 <210> 10  
 <211> 36  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Description of Artificial Sequence:Artificially  
       synthesized sequence  
  
 <400> 10  
 ggttgagata aaagagcttt tggcgcggcc gccttt 36  
  
  
 <210> 11  
 <211> 36  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Description of Artificial Sequence:Artificially  
       synthesized sequence  
  
 <400> 11  
 gggggcggcc gcgatattga tatgacccaa tctcca 36  
  
  
 <210> 12  
 <211> 36  
 <212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially synthesized sequence

<400> 12  
cccgcggccg cccgaggaga cggtgactga ggtccc 36

<210> 13  
<211> 36  
<212> DNA  
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially synthesized sequence

<400> 13  
gggggcggcc gcgatgtgca gcttcaggag tcggga 36

<210> 14  
<211> 30  
<212> DNA  
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially synthesized sequence

<400> 14  
ggggcgccg ccttttattt ccaactttgt 30

<210> 15  
<211> 31  
<212> DNA  
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially synthesized sequence

<400> 15  
ccagttggac ggcgccgcc ctgcaccgaa c 31

<210> 16  
<211> 31  
<212> DNA  
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially synthesized sequence

<400> 16  
 gttcgggtgca gggcgggccgc cgtccaactg g 31

<210> 17  
 <211> 34  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:Artificially  
 synthesized sequence

<400> 17  
 caatccagat tggggcgggcc gccctgcacc gaac 34

<210> 18  
 <211> 34  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:Artificially  
 synthesized sequence

<400> 18  
 gttcgggtgca gggcgggccgc cccaatctgg attg 34

<210> 19  
 <211> 31  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:Artificially  
 synthesized sequence

<400> 19  
 ggtaggagcg ggcgggccgcc ctgcaccgaa c 31

<210> 20  
 <211> 31  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:Artificially  
 synthesized sequence

<400> 20  
 gttcgggtgca gggcgggccgc ccgctcctac c 31



<210> 21  
<211> 30  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> Description of Artificial Sequence:Artificially  
synthesized sequence  
  
<400> 21  
cctcaggccg gcggccgcc tgcaccgaac 30

<210> 22  
<211> 30  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> Description of Artificial Sequence:Artificially  
synthesized sequence  
  
<400> 22  
gttcggtgca gggcgccgc cctgaggatg 30

<210> 23  
<211> 31  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> Description of Artificial Sequence:Artificially  
synthesized sequence  
  
<400> 23  
cagagtgagg ggcggccgcc ctgcaccgaa c 31

<210> 24  
<211> 31  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> Description of Artificial Sequence:Artificially  
synthesized sequence  
  
<400> 24  
gttcggtgca gggcgccgc ccctcactct g 31

<210> 25  
<211> 30  
<212> DNA  
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
synthesized sequence

<400> 25

ggtaggagcg ggcggccgca gccctcaggc

30

<210> 26

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
synthesized sequence

<400> 26

gcctgaggg ctgcggccgcc cgctcctacc

30

<210> 27

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
synthesized sequence

<400> 27

Ser Ala Trp Arg His Pro Gln Phe Gly Gly

1

5

10

<210> 28

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
synthesized sequence

<400> 28

Trp Ser His Pro Gln Phe Glu Lys

1

5

<210> 29

<211> 116

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
synthesized sequence

<400> 29

Val Asp Asn Lys Phe Asn Lys Glu Gln Gln Asn Ala Phe Tyr Glu Ile  
1 5 10 15

Leu His Leu Pro Asn Leu Asn Glu Glu Gln Arg Asn Ala Phe Ile Gln  
20 25 30

Ser Leu Lys Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala  
35 40 45

Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys Val Asp Asn Lys Phe Asn  
50 55 60

Lys Glu Gln Gln Asn Ala Phe Tyr Glu Ile Leu His Leu Pro Asn Leu  
65 70 75 80

Asn Glu Glu Gln Arg Asn Ala Phe Ile Gln Ser Leu Lys Asp Asp Pro  
85 90 95

Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala Lys Lys Leu Asn Asp Ala  
100 105 110

Gln Ala Pro Lys  
115